

EXAMINER'S AMENDMENT

The application has been amended as follows:

In The Title:

The title is replaced with the following:

---Isolated DNA Sequences and Polypeptides Inducing Multiple Resistance of
Plants to Phytopathogens and Pests---.

Abstract:

The abstract is replaced with the following:

-----The invention relates to isolated DNA sequences encoding MF3 polypeptides that induce multiple resistance in plants toward a variety of viral and microbial infections and against pests and a method of obtaining transgenic plants expressing MF3 polypeptides. The invention also relates to a method of isolating and purifying an MF3 polypeptide from bacterial cells expressing the polypeptide and its use as a plant protectant with or without carrier agent.-----.

In The Claims:

At claims 6-7, "a" in line 1 is replaced with ---the---.

Claim 10 (Currently amended). A method of isolating and purifying the bioactive polypeptide of claim 1 from bacterial cells expressing said bioactive polypeptide, the method comprising the steps:

a) cultivating [a microbial producer strain] and extracting the bacterial cells with a buffer solution by heating to [at] an elevated temperature ;

- b) precipitating a crude MF3 polypeptide at low temperature with a precipitant;
- c) fractionating re-dissolved precipitate comprising the polypeptide of step b through [by] an anion exchange chromatography column and collecting fractions with anti-microbial, anti-nematode, or anti-insect activities;
- d) performing polyacrylamide gel electrophoresis to [of] the polypeptide fractions with anti-microbial, anti-nematode, or anti-insect activities; and
- e) recovering an isolated polypeptide [the protein] eluted from the gel of step d.

In claim 15, "s listing of claims substitute any and all previously listed claims" before the period is deleted.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Medina A. Ibrahim whose telephone number is (571)272-0797. The examiner can normally be reached on M-TH 8:00 am to 5:30 PM, and every other Friday from 8:00 AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anne Marie Grunberg can be reached on 571-272-0975. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MAI
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